

5/047/036

# THE NATIVE ASPHALT COMPANY

136 East South Temple  
University Club Building, Suite 1750  
Salt Lake City, Utah 84111  
(801) 532-7510

3-16-92

RECEIVED

MAR 17 1992

DIVISION OF  
OIL GAS & MINING

D. Wayne Hedberg  
Division of Oil Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Water Quality Degradation/Diversion Ditch

Dear Wayne:

The issue of runoff water flowing over the mine area is an issue we have spent much time trying to resolve. The construction of the dam and water system was successful initially but long term the system failed and compounded our problems. We believe that a skimming and ponding effort doesn't solve our long term problem of water in the mine area.

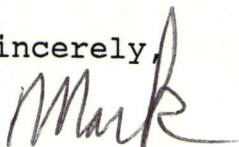
I have been in contact with Aztec Pipe in Vernal and Amcor in Salt Lake and with their help developed a plan that should insure success of a water delivery system and eliminate concern of water in the mine and water quality degradation.

We propose that the present dam area be cleaned and a diversion ditch be channeled. The diversion ditch would cover approximately 10 X 5 feet and would be lined with clay and cobble sized rock (rip-rap). At the end of the ditch a corrugated steel floodgate would be installed to capture water from the ditch flowing through a 10 inch corrugated pipe attached to the floodgate and then into a 6 inch PVC pipe that would extend above ground for a distance of approximately 400 feet. The water runoff would then discharge into the natural drainage below the mine area.

This plan would eliminate any dams and would carry water past the mine site without water quality degradation. We would enact this plan prior to any additional mining on the property.

I am enclosing diagrams of the floodgate proposed for use. Should you have any question regarding this plan, then phone me or Sam Arentz at the above phone number.

Sincerely,



Mark F. Lindsey  
Secretary



P.O. Box 868  
Bountiful, Ut 84011

Tel: 801-298-7628

Fax: 801-292-8821

To: Mark Lindemy Company: Native Asphalt

From: Bob Jolley

Date: 3-16-92

Subject: Corrugated Steel Pipe + Headgates

MESSAGE:

We will have a TRUCK in the Ucnal and  
Hintah County Area - Week of 3-22-92

Please let us know if we can help you.

THANKS

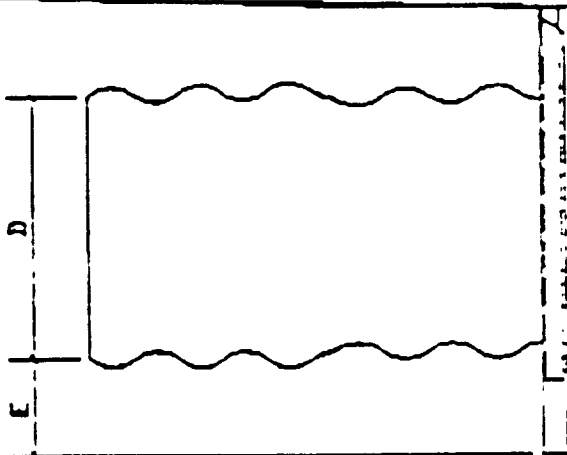
Bob Jolley

PAGES TO FOLLOW 3

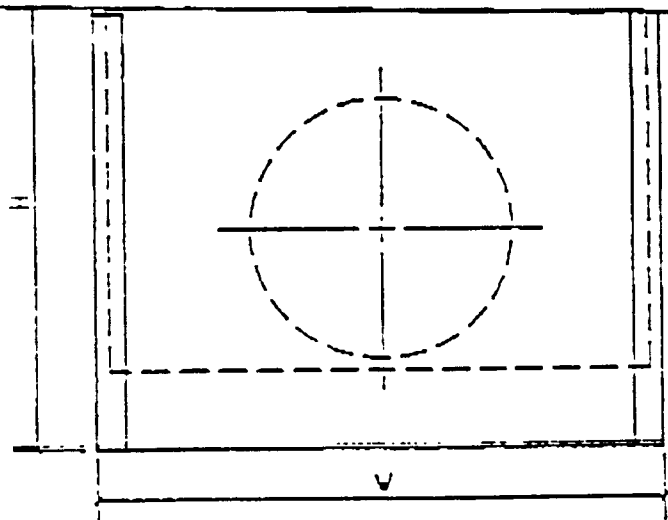
FAX MESSAGE

FAX MESSAGE

FAX MESSAGE



SIDE VIEW



FRONT VIEW

PROJECT

DRAWN

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PART

SHEET

OF

DWG

NO.

REV.

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PROJECT CONTRACTOR

GALVANIZED HANDPULL HEADGATES  
WITH PIPE ATTACHED

DATE

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WAY IN VIOLATION OF THE INTERESTS  
OF AMCOR INC.



AMCOR INC. 7000 W. 1000 N.



## Section II— CSP COUPLING SYSTEMS

Field Joints for  
Corrugated Steel Pipe

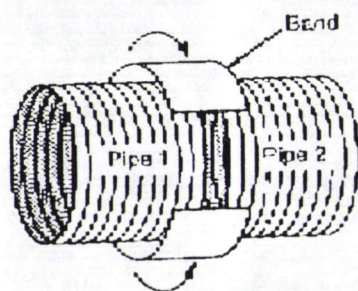
The functional requirements for pipe joints are specified in the AASHTO Bridge Design Specification, Section 2.23.3. The design of field joints using these criteria is covered in Chapter 6.

A wide variety of pipe joints are available for field connecting lengths of corrugated steel pipe. The following drawings illustrate and define the standard joints which are tabulated in Table 1-10.

## CSP FIELD JOINTS

## Type—Band Coupling

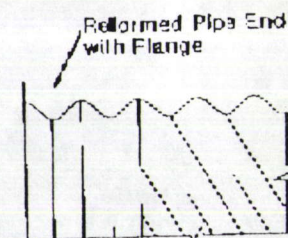
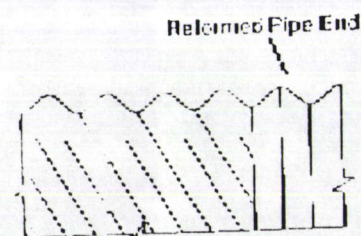
Typical Band Coupling



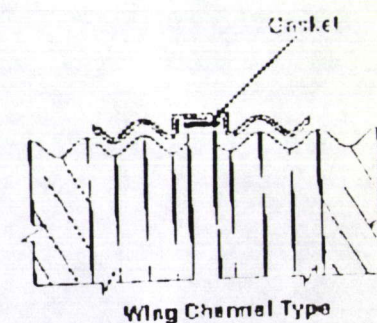
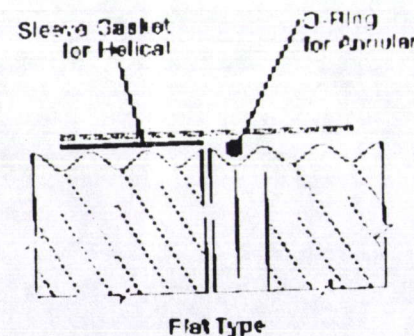
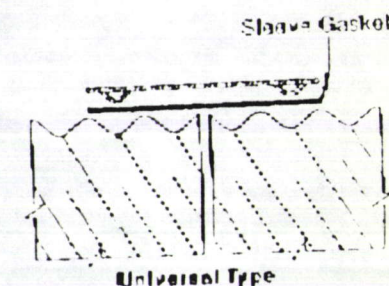
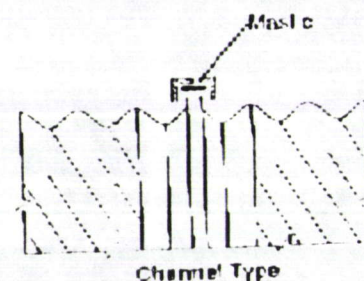
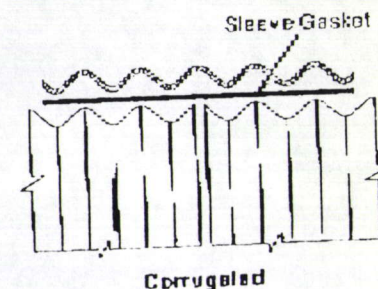
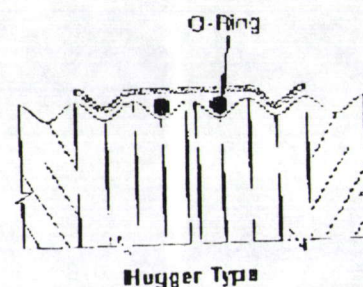
1. The most common CSP Joint uses a band around the pipe joint.
2. The band is drawn and secured on the pipe by connecting devices.
3. The pipe ends may be identical to the rest of the pipe barrel (plain ends), or in the case of helical pipe, the pipe ends at joints may be reformed to an annular corrugation or flange (reformed ends).
4. Gaskets of three types are used according to band types; o-ring, sleeve type or mastic.

Table 1-10

Type of Band	X-Section	Angles	Bolt Strap	Wedge Lock	Gaskets			Pipe End		
					O Ring	Sleeve or Strip	Mastic	Annular Plain	Helical Plain	Helical Reformed
Universal		X	X	X		X	X	X	X	X
Corrugated		X	X	X		X	X	X	X	X
Hugger		X	X	X	X		X	X		X
Channel		X	X	X			X			X
Flat		X	X	X	X	X	X	X	X	X
Wing Channel		X	X	X			X			X



Standard CSP Band Types



When gaskets are required, they are placed as shown.